

Converting Colors

CIELCh(50, 36.937, 327.657)

Have a look what the booklet for
CIELCh(50, 36.937, 327.657)
contains.

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Color

CIELCh(50, 36.955, 327.872)

Conversions

Conversions Part 1

Format	Color
Hex	9C6499
RGB	156, 100, 153
RGB Percent	61%, 39%, 60%
CMY	0.3890, 0.6086, 0.4008
CMYK	0.00, 0.36, 0.02, 0.39
HSL	303°, 22%, 50%
HSV	303°, 36%, 61%
XYZ	23.9429, 18.4187, 32.3437
YIQ	122.7860, 16.3630, 28.3550

Conversions

Conversions Part 2

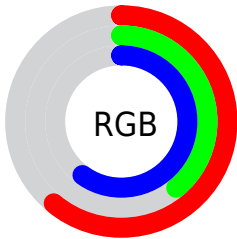
Format	Color
R _Y B	156, 100, 153
Decimal	10249369
CIE Lab	50.00, 31.30, -19.65
CIE LCh	50, 36.955, 327.872
Yxy	18.4187, 0.3205, 0.2466
Android (android.graphics.Color)	4288439449 (0xFF9C6499)
YUV	122.7860, 14.8955, 29.1287
Hunter-Lab	42.9170, 24.4784, -14.6411

Details

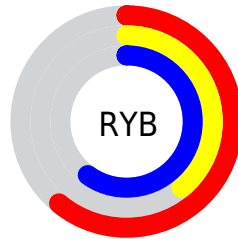
The CIELCh color $50, 36.955, 327.872$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $59, 36.979, 143.300$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 36.605, 327.900$, and $30, 37.344, 328.059$ is the 20% darker color. If you saturate the color by 10%, you get $47, 46.654, 328.394$, and if you desaturate by 10%, it is $54, 26.793, 327.328$.

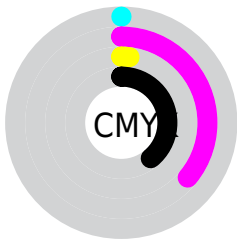
Distribution



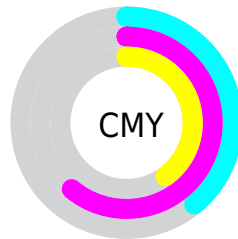
- Red (61%)
- Green (39%)
- Blue (60%)



- Red (61%)
- Yellow (39%)
- Blue (60%)



- Cyan (0%)
- Magenta (36%)
- Yellow (2%)
- Black (39%)





- Cyan (39%)
- Magenta (61%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 36.955, 327.872 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 50, 36.955, 327.872 by changing the saturation by 10% instead.


 50, 36.955,
327.872


 50, 36.955,
327.872


 100, 36.955,
327.872


 40, 36.955,
327.872


 70, 36.955,
327.872

 30, 36.955,
327.872


 80, 36.955,
327.872


 20, 36.955,
327.872

 90, 36.955,
327.872

 10, 36.955,
327.872

 0, 36.955, 327.872

 50, 36.955,
327.872

 50, 36.955,
327.872

47, 46.654,
328.394

54, 26.793,
327.328

44, 55.554,
328.883

58, 16.441,
326.770

41, 63.261,
329.326

62, 6.091, 326.196

66, 4.125, 145.744

39, 69.388,
329.717

70, 14.125,
145.178

37, 73.642,
330.053

75, 23.860,
144.664

37, 75.994,
330.340

79, 33.309,
144.177

36, 76.738,
330.450

84, 42.463,
143.715

88, 51.327,
143.281

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



50, 36.955, 327.872



59, 36.979, 143.300

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50, 36.955, 327.872



50, 36.955, 17.872



50, 36.955, 147.872



50, 36.955, 197.872

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



50, 36.953, 327.872



75, 13.964, 326.504



45, 33.515, 296.254



39, 9.463, 326.574



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50, 36.953, 327.872



61, 54.029, 328.287



49, 26.749, 350.027



31, 5.886, 326.392



33, 72.025, 330.433



1, 7.595, 326.254

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



50, 36.953, 327.872



61, 54.029, 328.287



60, 25.320, 162.979



31, 5.886, 326.392



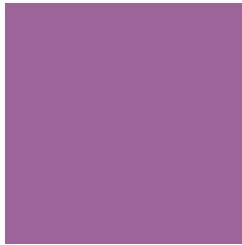
33, 72.025, 330.433



1, 7.595, 326.254

Previews

White Background



This preview shows how the CIELCh color 50, 36.955, 327.872 looks on a white background.

Color Contrast Check

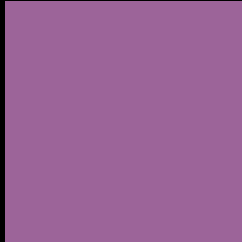
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 50, 36.955, 327.872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

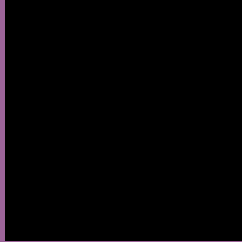
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 36.955, 327.872

Background



This preview shows how black text looks on a background with the CIELCh color 50, 36.955, 327.872.



This preview shows how white text looks on a background with the CIELCh color 50, 36.955, 327.872.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color


50, 36.955, 327.872

Protanopia

50, 28.212, 285.034

Deuteranopia

50, 19.315, 290.521



Tritanopia
50, 19.044, 6.026

Trichromacy



Original Color
50, 36.955, 327.872

Protanomaly
50, 29.730, 301.869

Deuteranomaly
50, 24.563, 309.468

Tritanomaly
50, 24.294, 346.004

Monochromacy



Original Color
50, 36.955, 327.872

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 13.623, 326.596

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 36.955, 327.872 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(156, 100, 153)` looks like.

```
.text, #text, p{  
    color:rgb(156, 100, 153)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(156, 100, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 100, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 36.955, 327.872 is called "border". The border property can be set on classes, ids or directly on the HTML element.

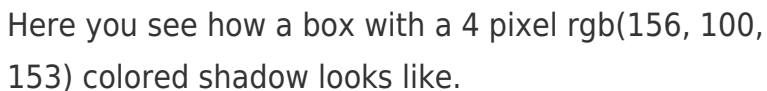
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(156, 100, 153) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(156, 100, 153) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(156, 100, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 100, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 100, 153); box-shadow:4px 4px 4px 4px rgb(156, 100, 153) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 36.955, 327.872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 100, 153) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(156,  
100, 153) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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